

Safety Advisory Committee

June 1, 2012
1:30 – 3:00 PM

Minutes

Committee Member	Representing	Present
Anderson, Erik	Materials Sciences Division	
Bello, Madelyn	Human Resources Advisor	X
Blodgett, Paul M.	Environment, Health and Safety Division	X
Carithers, William	Physics Division	X
Christensen, John N.	Earth Sciences Division	X
Floyd, Jim	Safety Advisory Committee Chair	X
Franaszek, Stephen	Genomics Division	X
Fujikawa, Brian	Nuclear Science Division	X
Giuntoli, Patricia	Computing Sciences Directorate	X
Lukens Jr., Wayne W.	Chemical Sciences Division	X
Lunden, Melissa	Environmental Energy Technologies Division	
Martin, Michael C.	Advanced Light Source Division	X
More, Anil V.	Office of the CFO Advisor	
Sauter, Nicholas	Physical Biosciences Division	X
Seidl, Peter	Accelerator & Fusion Research Division	
Taylor, Scott E.	Life Sciences Division	X
Tomaselli, Ann	Information Technology Division	
Tucker, Eugene	Facilities Division	
Thomas, Patricia M.	Safety Advisory Committee Secretary	X
Wong, Weyland	Engineering Division	X

Others Present: Richard DeBusk, Joe Dionne, LK Galloway, Melanie Gravois, Howard Hatayama, David Kestell, Mike Kritscher, Quang Le, Peter Lichty, Bob Mueller, Rebecca Rishell, Mike Ruggieri, Jack Salazar, Andreas Schmid, Mark Scott, Bill Wells, David Wilson, Mike Wisherop

Chairman's Comments – Jim Floyd

- **New Members** – The Safety Advisory Committee welcomed Patty Giuntoli as the new Representative for the Computing Sciences Directorate and Nick Sauter as the new Representative for Physical Biosciences Division.
- **Peer Review** – The report for Environmental Energy Technologies Division has been completed. The review for Nuclear Science Division is being organized
- **Chemical Safety** – Larry McLouth is working on signage for posting technical areas when temporary chemical hazards are present. The standard sign will be in the Chemical Hygiene and Safety Plan. The Chemical Safety Subcommittee is also working on defining the scope of

nanoparticle worker surveillance. Materials Sciences Division's self-assessment raised the issue of chemical delivery to offices.

Machine Shop 2-Person Rule – Mike Wisherop/Dave Wilson

The Bldg. 55 shop has been pilot testing the use of video cameras with audio capabilities for meeting the requirement of having a second person within line of sight or earshot when someone is working in a machine shop. Mike Wisherop is proposing to allow this option under the Frequently Asked Questions about the Working Alone policy. It is being reviewed by LBNL legal counsel. The video would only be used for monitoring hazardous work where there is a risk of the worker becoming incapacitated, and there would be no recording. The person monitoring the video would need to be close by so they could respond quickly in an emergency. The system must provide a clear view and hearing of the work activity. The camera that was tested costs about \$250 and includes free software. The person who wants to do the shop work would need to notify the person who will monitor the work. The worker must agree to be monitored, and the monitor must agree to carry out the responsibilities. The camera would then be turned on before beginning the work, and the worker must notify the monitor when the work is completed. If the monitor needs to leave the area, he/she must first communicate with the worker. The monitor's responsibility would be to be able to shut off the machine and call for assistance. LBNL already has security tapes in some areas. Labor Relations needs to look at whether there are any Union rules that would affect the monitoring. SAC members did not have any objections to the plan.

Area PPE and Food Rules – Joe Dionne / Mike Wisherop

Mike Wisherop and Marty White are meeting with Division Safety Coordinators to explain the changes to the implementation of the policies regarding PPE use in technical areas and restrictions on food and beverages. Brown Bag meetings are scheduled on June 21 and 28. Official approval signature of the changes is expected in July. There will be an article in Today at Berkeley Lab. Exceptions will be reviewed by Jack Salazar and the Division Liaison. The requirements for PPE and Food/Beverages have been separated into two tables for clarification.

Customer Service – Joe Dionne

Presentations were given at LSAC, Division Safety Coordinators, and Environmental Safety and Health Division meetings. Customer focus groups will be organized. Karen Ramorino is helping. Joe Dionne is asking for volunteer to participate in the focus groups. They are looking for people who can give constructive criticism and provide ideas about how to improve the customer experience.

PPE for Cryogenics – Joe Dionne

The new PPE requirements for pouring of ≤ 5 liters of cryogenics into cryotraps are ready to be rolled out. EHS is working on changes to the cryogen safety training. Michael Martin is preparing a video on the use of PPE and insulating tools.

Electrical Equipment Inspection Program – Mark Scott

Electrical inspections will **prioritized by risk**:

Risk Group	Description	Inspection Priority	Conditional Use
1	All other items not in Risk Groups below	High	Yes if currently in use
2	208/240 VAC CE or other similar marked	Medium	Yes if currently in use
3	CSA 120 VAC CE or other similar Identical to prev. tested items Approved vendor	Low	Yes
4	NRTL or other DOE Lab inspected	None	N/A

The Electrical Safety Subcommittee is looking at **implementation issues**:

Apply risk grading to all or just legacy items	How to 'Stop the bleeding' and create proper feedback/incentives to staff to procure listed items?
Database upgrades to support risk-based scheduling	Index each of inventory items to support risk-based scheduling
Survey assessment to verify overall inventory status	Determine if we can trust inventory information
Scheduling goals/metrics	Develop goals for different risk groups; measure progress towards them. Linked, maybe, to compliance agreements with BSO
Inspection methodology for each of the risk groups	Different risk groups have different methods for 'inspecting'
Integration of survey with inspection	Evaluate how to integrate the two steps

Items will be categorized as they are entered into the database. Some new equipment may be eligible for conditional approval. Conditional use may be allowed for some equipment, pending inspection or repair. Inspectors will probably look at all items at a location when they come out to do an inspection. The inspectors are doing a few hundred inspections per month.

We need to find a way to create incentives to buy listed devices. The eBuy system does not always indicate whether products are UL listed. It would be helpful to have a flag for "UL listed" so people could search for listed products. It would be useful to pre-qualify some "trusted vendors"; however, most of the vendors we purchase from are distributors rather than manufacturers. Howard Hatayama mentioned that Procurement is beginning a Lean effort and will be looking at what processes should be centralized vs. decentralized. SAC could have input to the effort.

We need to refresh and resume the equipment survey. There are not always good records for items purchased by postdocs or students. It is hard to see the stickers on equipment that has been surveyed, so we would have to look at everything again. We need to look at how to best use the Lab's resources to improve safety. We don't know the cost of doing the surveys. Some hazards, such as cord wear, are beyond compliance with UL listing. There may be other initiatives that are more cost-effective in promoting safety. Patrick Bong wants to develop standards for electronic technicians to use in building things.

The meeting was adjourned at 2:45 PM
Respectfully submitted, Patricia M. Thomas, SAC Secretary